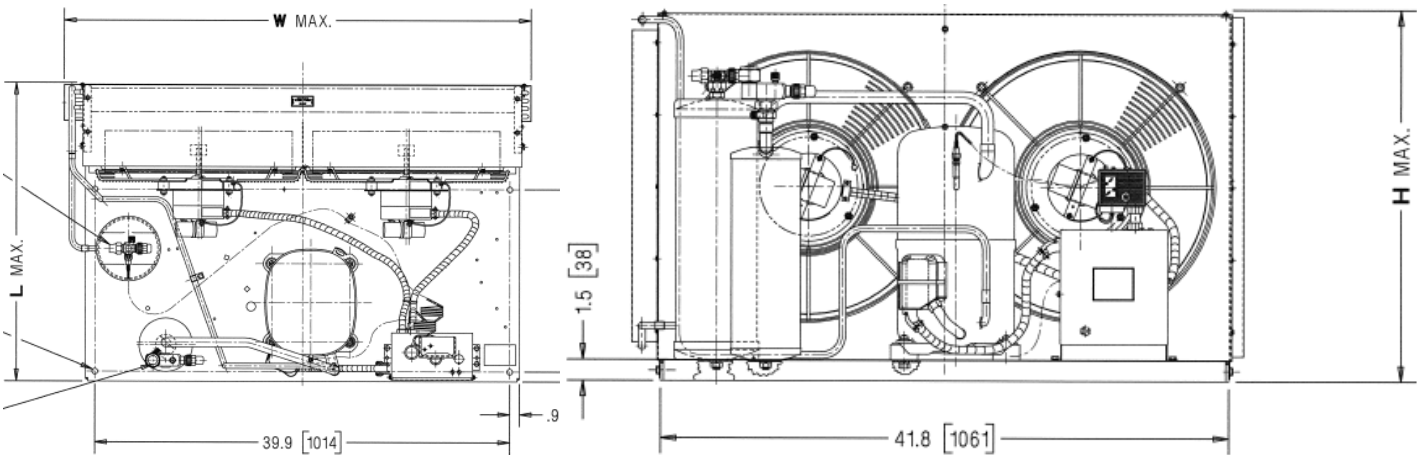
June 23, 2010

Tecumseh Compressor Company
Indoor Condensing Units

Model: AGA4562CXTXM **BoM: 2A5104-1** **R407C** **5 HP** **AIRCOOLED**



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AGA4562CXTXM	28.8	44.9	26.9	--	7/8” F	1/2” F	47.2 lbs	3500	66	395
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evaporator T,		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
5	23.5	22612	4142	87	20349	4231	96	20349	4231	106	19209	4265	114
10	27.9	27673	4490	89	25639	4571	97	23107	4630	108	16947	4495	116
15	32.7	32815	4846	91	30897	4925	99	27166	5006	109	21675	4930	118
20	37.9	38038	5210	93	36122	5292	101	31388	5396	111	26413	5375	120
25	43.6	43341	5582	95	41314	5672	103	35770	5798	113	31161	5830	122
30	49.6	48725	5962	97	46474	6066	105	40315	6212	115	35919	6295	124
35	56.1	54189	6350	99	51602	6473	107	45021	6638	117	40688	6770	127
40	63.2	59734	5746	101	56696	6894	109	49888	7077	119	45467	7255	129
45	70.7	65359	7150	103	61758	7328	112	54918	7528	122	50256	7750	131
50	78.8	71065	7562	105	66788	7776	115	60108	7992	124	55055	8255	133
55	87.9	76851	7982	108	71785	8237	117	65461	8468	126	59865	8770	136

60 Hz Performance

Return gas temp. 65°F, 5°F sub cooling

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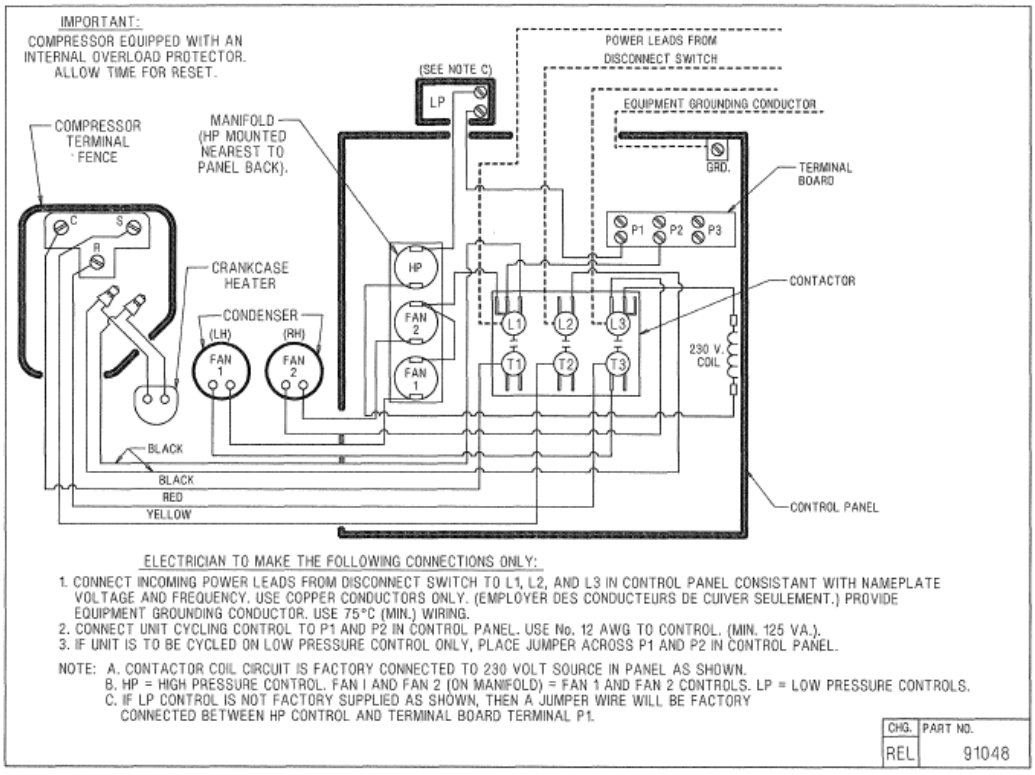
Specifications/ Parts:

Model	AGA4562CXTXM
Unit Bill of Material	2A5104-1
Nominal Volts-Hz-Ph	200-230-60-3
Refrigeration Range	20° to 55°
Design Pressure Low	150
Design Pressure High	450
Voltage Range	180 to 254
Min. Circuit Ampacity	28.8
Max. Fuse Size (amps)	45
Compressor Model	AGA5562CXT
Comp. Bill of Material	AG145RT-001-P2
Compressor RLA/LRA	18.72 / 128.4
Overload	INTERNAL
Relay	N/A
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	N/A
Start Capacitor Rating	N/A
Contactor	91014
Unit Drawing	DGU1901-22
Wiring Diagram	91048

Fan Motor	810S186B40 (2)
Fan Motor RLA	1.90 Each
Fan Blade	51528-3 (2)
Fan Guard	70832 (2)
Fan Shroud	70611-1
High Pressure Switch	84095-1
Low Pressure Control	84026-2
Dual Pressure Control	N/A
Condenser	50777-6
Headmaster Valve *	N/A
Check Valve *	N/A
Receiver Tank	51082-2
Liquid Valve	31585
Liquid Filter *	N/A
Sight Glass *	N/A
Suction Valve	31576
Rotolock Valve Gasket	30233
Discharge Valve *	N/A
Suction Filter *	N/A
Accumulator	TK00044000
Crankcase Heater *	90699
Defrost Timer *	N/A
* = Outdoor Units Only	
Options for Outdoor Units	
Receiver Heater	N/A
Solenoid Valve	N/A

Electrical Wiring Diagram


IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
POWER LEADS FROM DISCONNECT SWITCH
(SEE NOTE C)
LP
EQUIPMENT GROUNDING CONDUCTOR
COMPRESSOR TERMINAL FENCE
MANIFOLD (HP MOUNTED NEAREST TO PANEL BACK).
GRD.
TERMINAL BOARD
C
S
R
P1
P2
P3
CRANKCASE HEATER
HP
CONTACTOR
CONDENSER
(LH)
(RH)
FAN 2
L1
L2
L3
FAN 1
T1
T2
T3
230 V. COIL
BLACK
BLACK
RED
YELLOW
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, AND L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE No. 12 AWG TO CONTROL. (MIN. 125 VA.).
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 VOLT SOURCE IN PANEL AS SHOWN.
B. HP = HIGH PRESSURE CONTROL. FAN 1 AND FAN 2 (ON MANIFOLD) = FAN 1 AND FAN 2 CONTROLS. LP = LOW PRESSURE CONTROLS.
C. IF LP CONTROL IS NOT FACTORY SUPPLIED AS SHOWN, THEN A JUMPER WIRE WILL BE FACTORY CONNECTED BETWEEN HP CONTROL AND TERMINAL BOARD TERMINAL P1.
CHG.
PART NO.
REL
91048